Learning to Fly: The Wright Brother's Adventure			
2005 Mathematics			
Content Standards			
Hawaii Mathematics			
Grade 6			
Activity/Lesson	**State**	**Standards**	
1902: Success at Last	HI	MA.6.MA.6.1.1	Compare and order fractions, decimals, and percents
1902: Success at Last	HI	MA.6.MA.6.2.2	Use the operation properties to simplify computations with fractions, decimals, and percents
1903: Powered Flight	HI	MA.6.MA.6.3.1	Use estimation prior to computing with fractions and decimals and compare the estimation to the actual result
1903: Powered Flight	HI	MA.6.MA.6.3.2	Recognize situations in which it is more appropriate to estimate than to compute an exact answer
Learning to Fly: The Wright Brother's Adventure			
2005 Mathematics			
Content Standards			
Hawaii Mathematics			
Grade 7			
Activity/Lesson	**State**	**Standards**	
1902: Success at Last	HI	MA.7.MA.7.1.1	Solve problems using fractions, decimals, and percents
1903: Powered Flight	HI	MA.7.MA.7.3.1	Add, subtract, multiply, and divide integers
Learning to Fly: The Wright Brother's Adventure			
2005 Mathematics			
Content Standards			
Hawaii Mathematics			
Grade 8			
Activity/Lesson	**State**	**Standards**	
1902: Success at Last	HI	MA.8.MA.8.11.1	Design a study that compares two samples, collect data, and select the appropriate representation (e.g., double bar graph, back-to-back stem and leaf plot, parallel box and whisker plots, scatter plot) to compare the sets of data
1902: Success at Last	HI	MA.8.MA.8.12.2	Analyze different representations of the same data to describe how representations can be used to skew a person's interpretation of the data
1903: Powered Flight	HI	MA.8.MA.8.3.2	Estimate a reasonable range (i.e., upper and lower limit) for the solution to a problem
1903: Powered Flight	HI	MA.8.MA.8.4.2	Express rates of change as a ratio of two different measures, where units are included in the ratio, and use the derived rate to solve problems

Activity/Lesson	State	Standards	
1903: Powered Flight	HI	MA.8.MA.8.10.3	Use tables and graphs to represent and compare linear relationships

Learning to Fly: The Wright Brother's Adventure			
2005 Mathematics			
Content Standards			
Hawaii Mathematics			
Grades 9-12 (Pre-Algebra)			
Activity/Lesson	**State**	**Standards**	
1902: Success at Last	HI	MA.9-12.MA.PA.11.1	Design a study that compares two samples, collect data, and select the appropriate representation (double bar graph, back-to-back stem and leaf plot, parallel box and whisker plots, scatter plot) to compare the sets of data
1903: Powered Flight	HI	MA.9-12.MA.PA.3.2	Estimate a reasonable range (i.e., upper and lower limit) for the solution to a problem
1903: Powered Flight	HI	MA.9-12.MA.PA.4.2	Express rates of change as a ratio of two different measures, where units are included in the ratio, and use the derived rate to solve problems
1903: Powered Flight	HI	MA.9-12.MA.PA.9.1	Represent a variety of patterns (including recursive patterns) with tables, graphs (including graphing technology when available), words, and when possible, symbolic rules

Learning to Fly: The Wright Brother's Adventure			
2005 Mathematics			
Content Standards			
Hawaii Mathematics			
Grades 9-12 (Algebra II)			
Activity/Lesson	**State**	**Standards**	
1903: Powered Flight	HI	MA.9-12.MA.AII.4.1	Use advanced formulas or functions to solve problems dealing with determining a measurement based on another derived or given measure